

VPN 3000 Client User Guide for MAC OS X

If you have any questions or run into problems with the VPN client, please contact the IT Support Center at (650) 604-2620 or send <mailto:help@mail.arc.nasa.gov>.

Download the VPN Client

1. Go to the VPN website <http://appliedit.arc.nasa.gov/vpn/vpnbox/step2.html>
2. Select **MAC OS X Users**.
3. Enter your **VPN username and password** to access the site.
4. Download the disk image file called [vpncclient-macosx.dmg](#) to your Desktop.
Note If you are using **Internet Explorer or Netscape** you may need to hold down the "ctrl" key and click on the link above. Select "Download Link to Disk" and save the "vpncclient-macosx.dmg" file to your Desktop.

Note You must uninstall any previous version of the VPN client for Mac OS X before you install a new version. **To uninstall the VPN 5000 client for Mac OS X** you must run the vpn_uninstall scripts located in the /Applications/VPN5000Client directory.

1. Log in as root user or superuser.
2. Make sure you are in the Applications/VPN5000 folder.
3. Enter the following command from a terminal window:

```
./vpn_uninstall
```

If running the uninstall script does not work, you can manually uninstall the VPN client by issuing the following set of commands from a terminal window as the root user or superuser:

```
rm -rf /Library/Receipts/vpn5000macosx510.pkg/  
rm -rf /System/Library/Extensions/VPN5000.kext/  
rm -rf /System/Library/StartupItems/VPN/  
rm -rf /Applications/VPN5000Client/
```

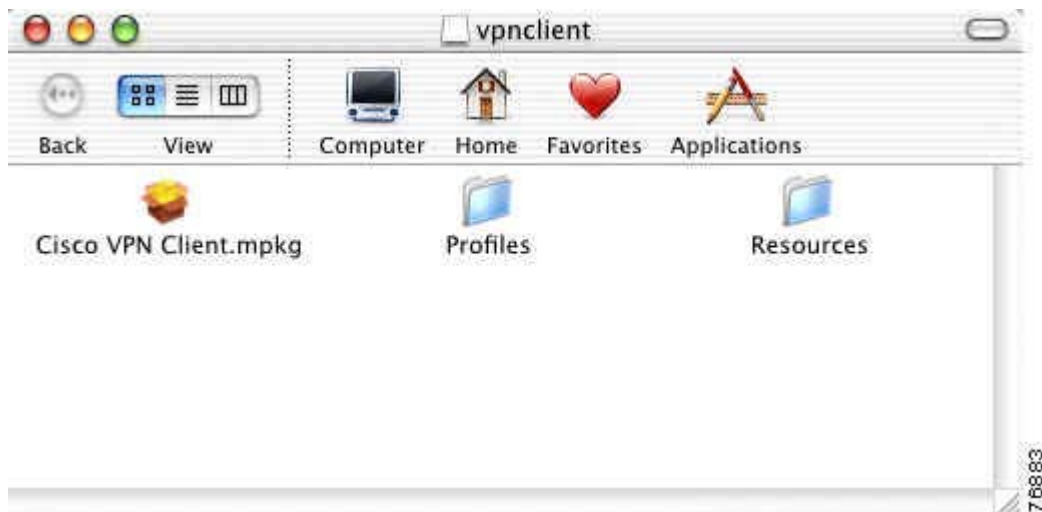
4. Reboot your computer.

Extract the VPN Client Installer

1. Double-click the **vpncclient-macosx.dmg** file to extract the VPN Client installer to your Desktop.

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2. Open the **CiscoVPNClient** installer by double-clicking the installer icon on your Desktop. This directory contains the installer package and preconfigured files in the Profiles and Resources folders to connect to Ames Private LAN.



Installing the VPN Client

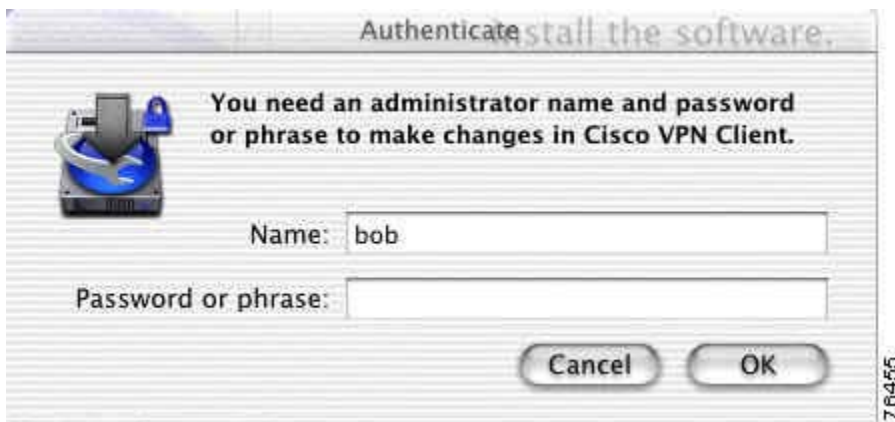
The VPN Client for Mac OS X installer program installs both the graphical user interface and the command-line version of the VPN Client. However, you are not required to install the GUI. **To install without the GUI, you will need to select the Custom installation.**

1. Open the installer package by double-clicking the **Cisco VPN Client.mpkg** file that resides in the installer directory.
2. The Authorization window appears. You must have an Administrator password to install the VPN Client application.

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3. **Click the lock to Authenticate** your password. The Authenticate dialog box appears.



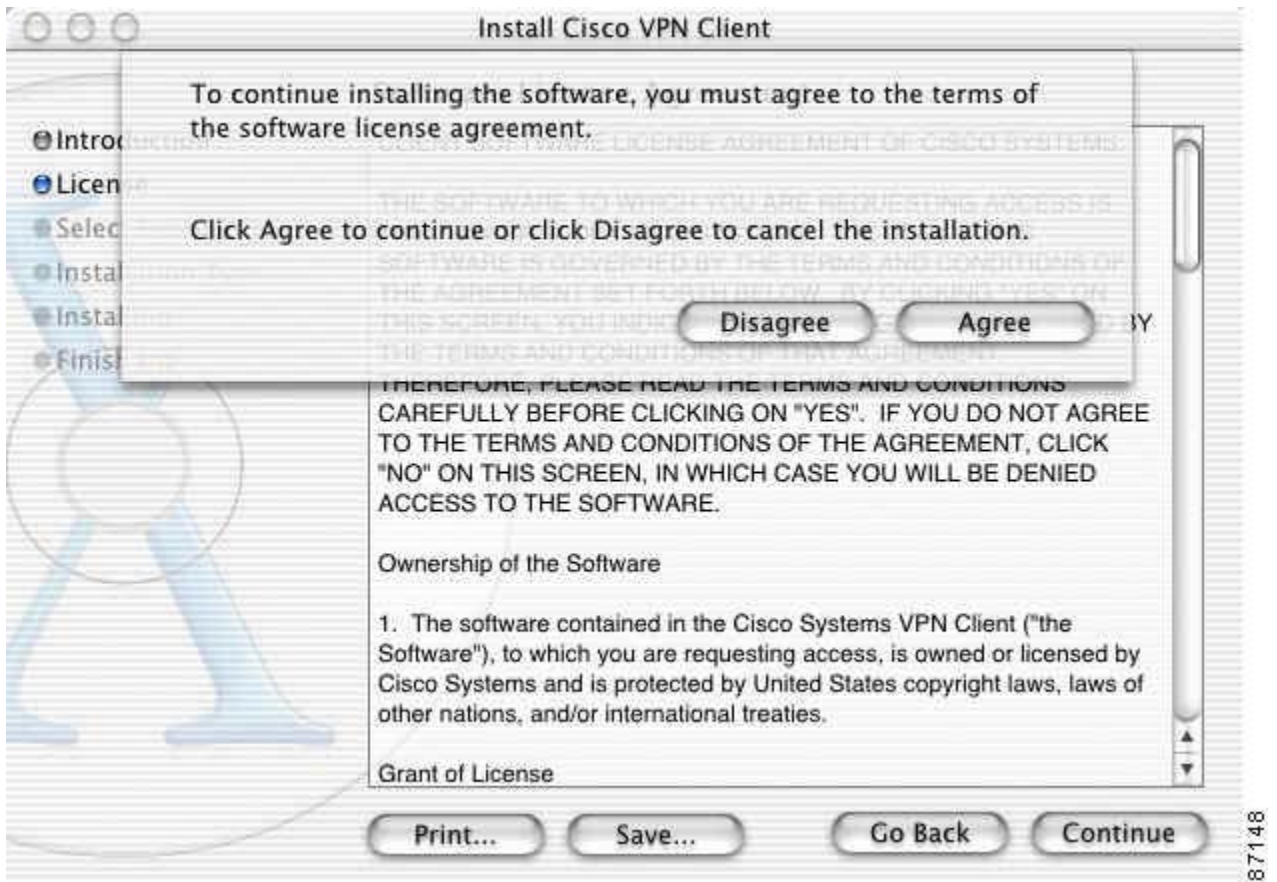
4. **Enter your administrator username and a password or challenge phrase.**
5. Click **OK**. If the authentication is successful, continue to the installation process. Contact your system administrator if you cannot authenticate for installation.
6. The first window that appears during installation is the introduction.

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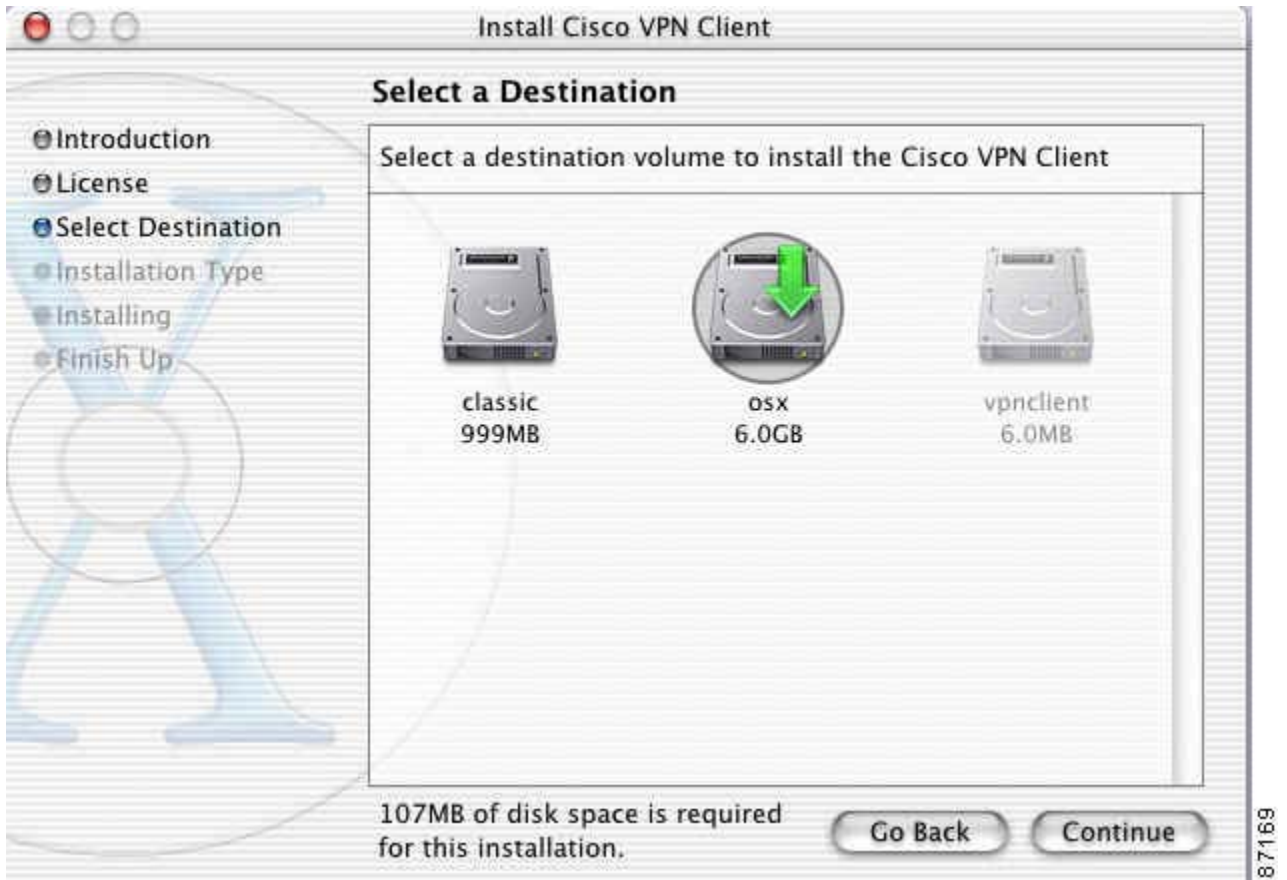
7. Click **Continue**.
8. When you have completely read the Cisco VPN Client software license agreement, click **Continue**.
9. To continue with the installation, click **Agree**.

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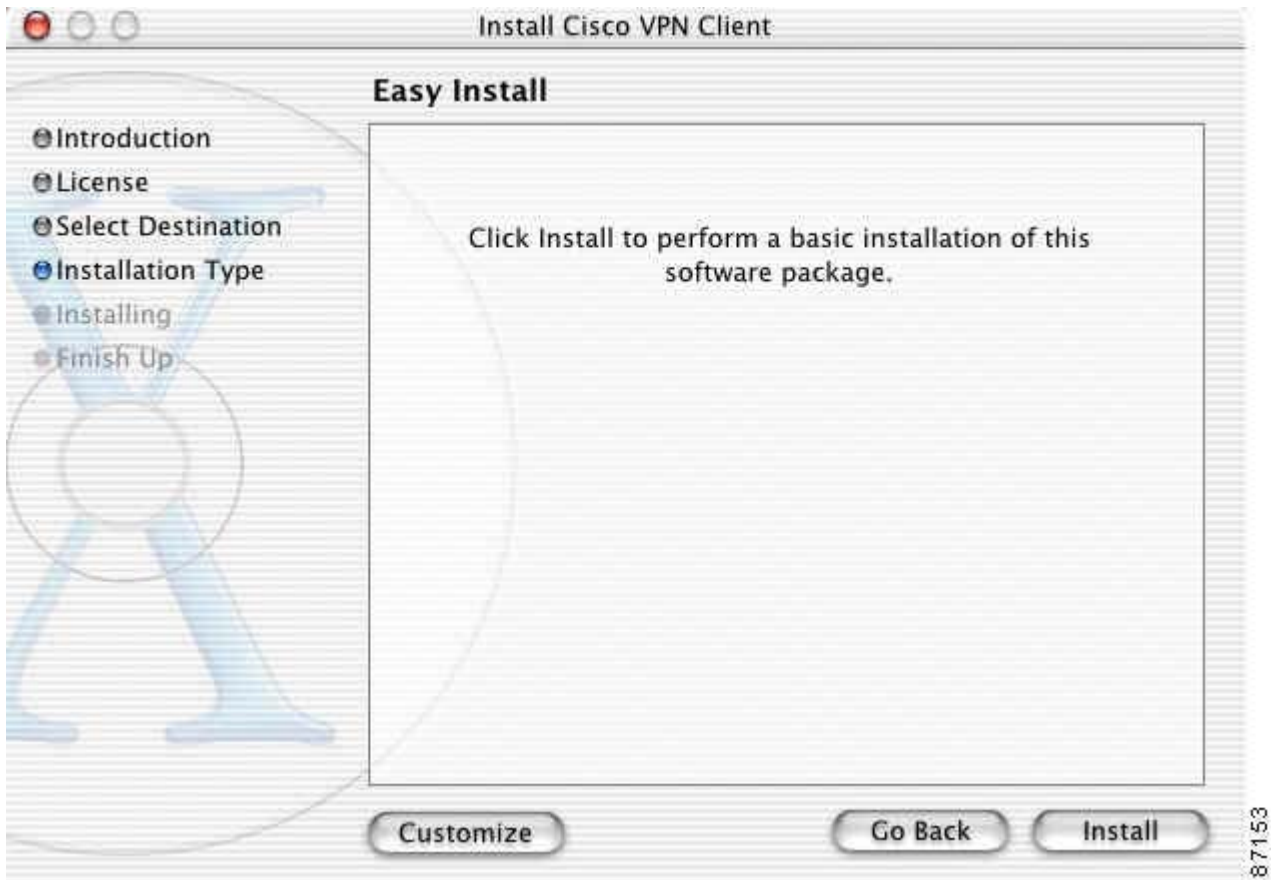
10. If your workstation has more than one disk drive, you can **select the destination volume** to install the VPN Client on your workstation.

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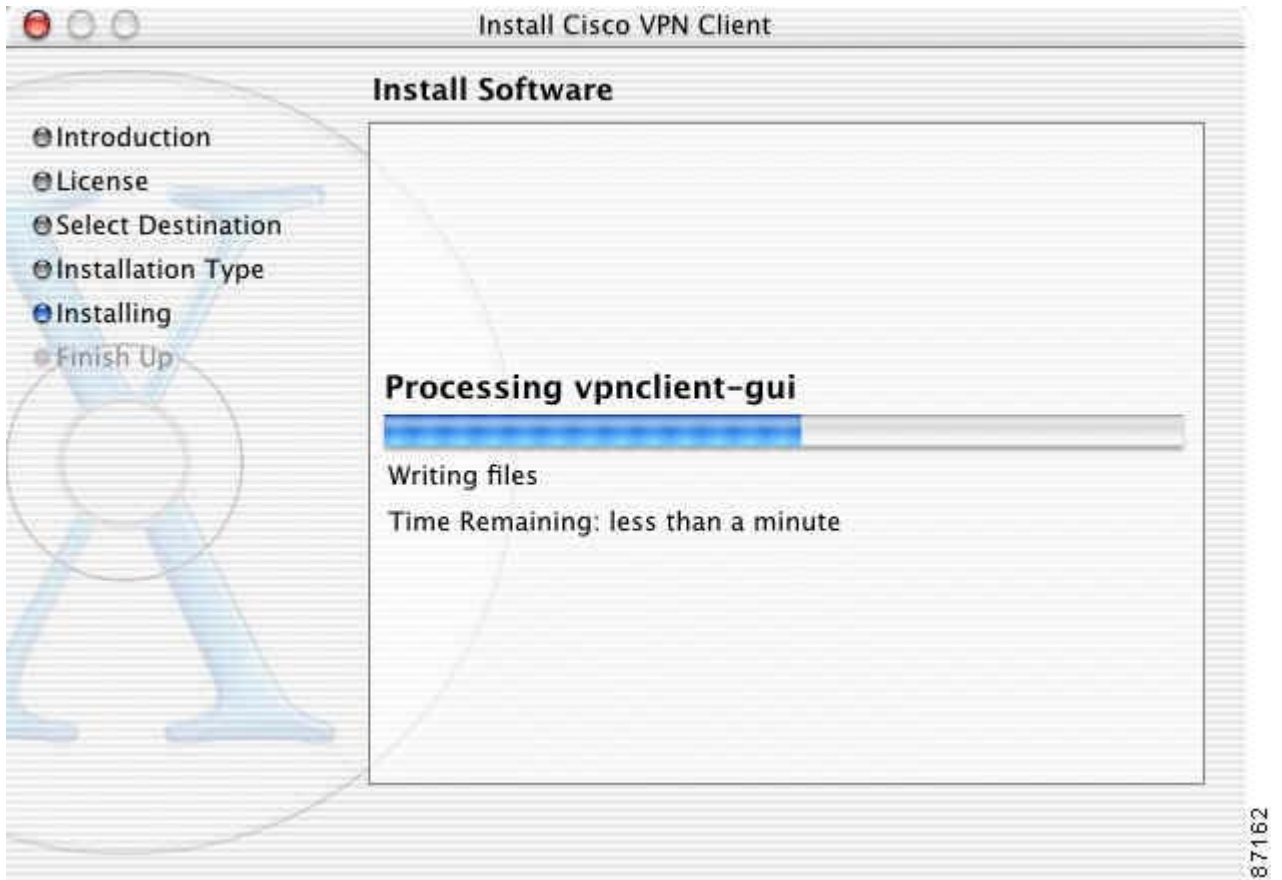
11. Click **Continue**. The VPN Client is installed in the Applications directory.

12. To install all packages, click **Install** on the Easy Install window.



Note *To install the VPN client without the GUI, click **Customize** to open the Custom Install window and uncheck "vpnclient-gui."*
*Click **Easy Install** to return to the default installation packages, or **Install** to continue with a custom installation.*

13. A progress bar lists the installation steps as they occur.



14. When the installation is finished, a window appears to indicate whether the installation was successful. Click **Close**.
-

CLI Version Install Script Notes

You can choose to manage the VPN Client using only the command-line.

Use the following commands to start, stop, and restart VPN service:

```
/System/Library/StartupItems/CiscoVPN/CiscoVPN start  
/System/Library/StartupItems/CiscoVPN/CiscoVPN stop  
/System/Library/StartupItems/CiscoVPN/CiscoVPN restart
```

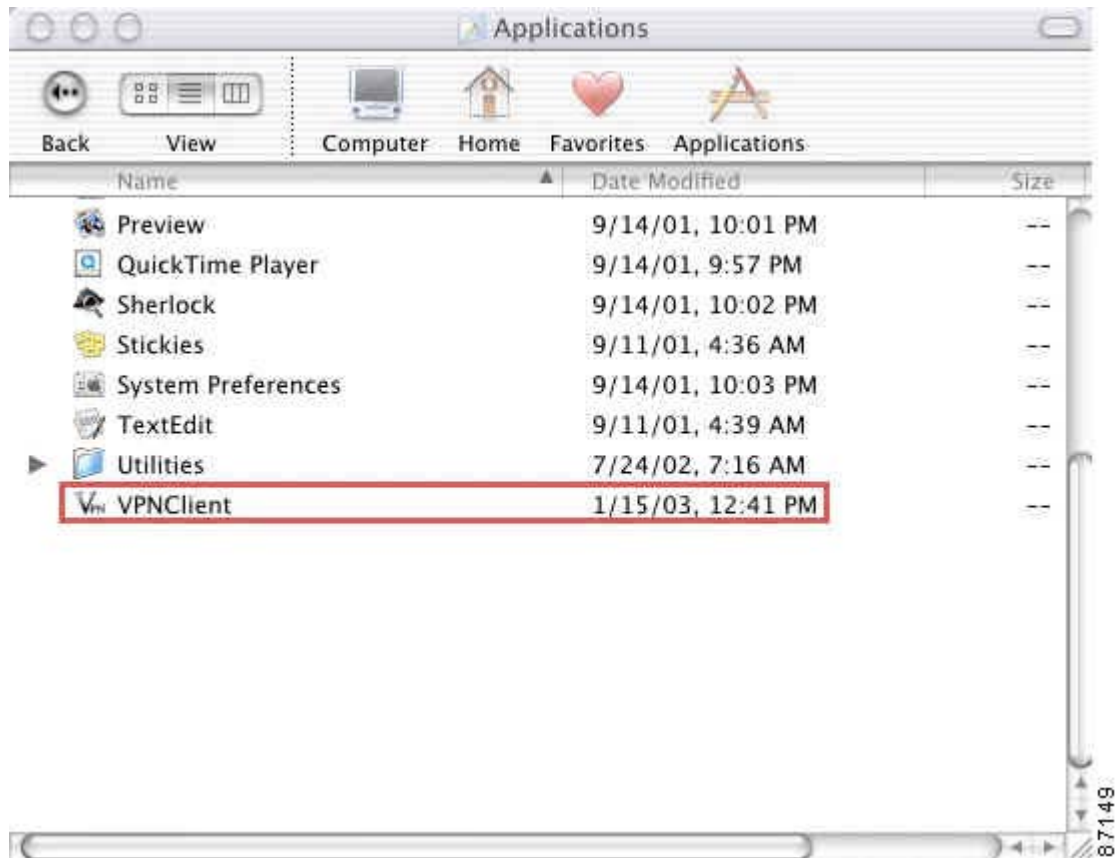
Alternately, you can use these commands to interact with the kernel extension:

```
sudo SystemStarter start CiscoVPN  
sudo SystemStarter stop CiscoVPN  
sudo SystemStarter restart CiscoVPN
```

During the installation process, the application binaries are copied to the specified destination directory.

Establishing a Connection

1. Open the VPN Client application by double-clicking the **VPN Client icon in the Applications folder**.



2. The main VPN Client window appears.
3. From the Connection Entries tab, select the **Ames** connection entry to use for this VPN session.

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4. Click **Connect** at the top of the VPN client window or double-click the selected connection entry (for simple mode, click the **Connect** button).
5. Respond to all user authentication prompts.



You are now connected securely to the private network via a tunnel through the Internet, and you can access the private network as if you were an onsite user!

Disconnecting your VPN Client Connection

To disconnect your PC from the private network, do the following:

1. Click on the **Ames** connection entry.
2. Select **Disconnect** icon at the left corner of the VPN main dialog box.

Uninstalling the VPN Client

You must have administrator privileges to uninstall the VPN Client. If you do not have administrator privileges, you must have someone with administrator privileges uninstall the product for you.

1. Open a terminal window.
2. Run the following command:
sudo /usr/local/bin/vpn_uninstall
3. Enter your password
4. You are prompted to remove all profiles and certificates.
 - If you answer yes, all binaries, startup scripts, certificates, profiles, and any directories that were created during the installation process are removed.
 - If you answer no, all binaries and startup scripts are removed, but certificates, profiles, and the vpnclient.ini file remain.

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